



## Polymer Fastener

### Firestone Item Number:

2-3/4"	W56RAC4527	5-1/2"	W56RAC4555
3"	W56RAC4530	6"	W56RAC4560
3-1/2"	W56RAC4535	6-1/2"	W56RAC4565
4"	W56RAC4540	7"	W56RAC4570
4-1/2"	W56RAC4545	7-1/2"	W56RAC4575
5"	W56RAC4550	8"	W56RAC4580

### DESCRIPTION:

Firestone Polymer Fasteners are to be used in conjunction with Firestone Polymer Insulation Plates for the attachment of insulation, base sheets, and selected roof system components into cementitious wood fiber or gypsum decks. The Firestone Polymer Fastener Metal Batten Strip or 2" (51 mm) Polymer Fastener Metal Seam Plates must be used when attaching membrane. Seam Plates, Batten Strips, and 3" (76.2 mm) Insulation Plates offer an anti-backout mechanism. When properly engaged, tabs on the underside of the Polymer Fastener open and lock against the teeth around the hole, thus locking the fastener to the plate or batten resisting back-out.

### METHOD OF APPLICATION:

Cementitious wood fiber decks do not require pre-drilling. If the fasteners are required to go through membrane and/or an existing roof, pre-drilling is required, but only to the deck surface. Gypsum decks require pre-drilling in all cases using a 3/8" (9.5 mm) - 7/16" (11.1 mm) diameter pilot hole 1/2" (12.7 mm) deeper than expected embedment. Do not over or under drive fasteners.

The preferred method of installation is an electric impact tool which provides a high torque and relatively low rpm. A heavy-duty variable speed screw gun operated at a low speed is also acceptable.

### PRECAUTIONARY DATA:

Eye protection is recommended during the installation of the fasteners.

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### PRODUCT DATA

<b>Property</b>	<b>Minimum Performance</b>
Fastener Material:	Black glass reinforced nylon
Thread Size:	0.687 O.D. (Nominal)
Screw Head:	1/4" (6.3 mm) Square Drive

### Pullout:

New Cement wood fiber decks	
with 2" (50.8 mm) embedment:	400 lb (181.4 kg) typ.*
New Gypsum decks	
with 2" (50.8 mm) embedment:	500 lb (226.8 kg) typ.*

*\*Results vary with condition of decking - verify pullout by on-site testing. A minimum 1.5" (38.1 mm) penetration into decking is required for cementitious wood fiber or gypsum decks.*

<b>Fastener Length</b>	<b>Thread Length</b>	<b>Pieces/ Carton</b>
2-3/4" (70 mm)	2.25" (57.15 mm)	500
3" (76.2 mm)	2.25" (57.15 mm)	500
3-1/2" (89 mm)	2.25" (57.15 mm)	500
4" (102 mm)	2.25" (57.15 mm)	500
4-1/2" (114 mm)	2.25" (57.15 mm)	500
5" (127 mm)	2.25" (57.15 mm)	500
5-1/2" (140 mm)	2.25" (57.15 mm)	500
6" (152 mm)	2.25" (57.15 mm)	500
6-1/2" (165 mm)	2.25" (57.15 mm)	500
7" (178 mm)	2.25" (57.15 mm)	250
7-1/2" (191 mm)	2.25" (57.15 mm)	250
8" (203 mm)	2.25" (57.15 mm)	250

**Note: 8-1/2" (216 mm) - 14" (356 mm) are special order.**

- Drill bits not included.
- One (1) drive bit included per carton.

### LEED INFORMATION:

Post Consumer Recycled Content:	0%
Post Industrial Recycled Content:	0%
Manufacturing Location:	New Rochelle, NY



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